IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant:

HARADA, Yuji et al

Appl. No.:

NEW

Group:

Filed:

February 9, 2004

Examiner:

For:

1

L

SULFONATES, POLYMERS, RESIST

COMPOSITIONS AND PATTERNING PROCESS

INFORMATION DISCLOSURE STATEMENT
(SUBMISSION CONCURRENT WITH THE
FILING OF A NEW PATENT APPLICATION)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

February 9, 2004

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- a.
 This application was filed before June 30, 2003.

 Accordingly, submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- b. A This application was filed on or after June 30, 2003. Accordingly, copies of cited US patents and patent application publications therefore are not included. Copies of foreign patent documents and non-patent literature are included.

c. This application is a National Phase of a PCT application. Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should be forwarded from the International Search Authority. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

a. DOCUMENTS IN THE ENGLISH LANGUAGE

The patents, publications, or other information listed on the attached PTO 1449 are in the English language and therefore, do not require a statement of relevancy.

b. DOCUMENTS NOT IN THE ENGLISH LANGUAGE

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

The relevancy of the Japanese language documents can be determined from a review of the English language Abstracts attached thereto.

C. ENGLISH LANGUAGE SEARCH REPORT

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(III)(A)(3).

d. OTHER

The following additional information is provided for the Examiner's consideration.

FEES

This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Gerald M. Murphy, Jr., #28,977

P.O. Box 747

Falls Church, VA 22040-0747

(703) 205-8000

GMM/smt 0171-1061P

Attachment(s): ✓ Form PTO-1449(s)

☐ Foreign Search Report

☐ Fee

Other:_____

(Rev. 09/30/03)

Form PTO-1449					ATTY. DOCKET NO. 0171-1061P		APPLICATION NO. NEW		
I	NFORMA	TION DISCLO IN AN APPLI	APPLICANT HARADA, Yuji et al						
(Use several sheets if necessary)					FILING DATE February 9, 2004		GROUP		
			U	.S. PATENT D	OCUMENTS	, <u></u>	<u> </u>		
EXAMINER INITIAL	DOCUMENT NUMBER		Kind	DATE	NAME	CLASS	SUB CLASS	FILING IF APPR	G DATE ROPRIATE
	US 4,491,628			1985-01-01	Ito et al.				
	US 5,310,619		A	1994-05-10	Crivello et al.	<u> </u>		-	
	US					1			
	US		-						
	US					i		<u> </u>	
	US					1		 	
	US					<u> </u>		1	
-	US								
	us					<u> </u>			
	U	JS				<u> </u>			
			FOR	EIGN PATENT	DOCUMENTS				
	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSI	LATION NO
,	JР	2-27660	B2	1990-06-19	JAPAN	<u> </u>		ABS	
	JР	63-27829	A	1988-02-05	JAPAN			ABS	
	JP	9-73173	A	1997-03-18	JAPAN	<u> </u>		ABS	
	JР	10-10739	A	1998-01-16	JAPAN			ABS	
	JР	9-230595 √	A	1997-09-05	JAPAN			ABS	
	WO	97/33198 🗸	A1	1997-09-12	WO	-		ABS	
	JР	2001-146505	A	2001-05-29	JAPAN			ABS	
OTHER	R DOCUM	MENTS (Include Name um, catalog, etc.) date,	of the authorage of page (s), vol	or (in CAPITAL LETTERS), ume-issue number(s), publ	title of the article (when appropriate, city and/or country where	riate), tit published.	le of the its	em (book, m	agazine,
Hiroshi, Ito et al., "Polymer design for 157 nm chemically amplified resists", SPIE 2001, Proceedings 4345-31, Pages 273-285									
EXAMINER					DATE CONSIDERED				
EXAMINER: In considered.	nitial if cita Include cop	ation considered, whether	or not cita communicatio	tion is in conformance wi n to applicant.	th M.P.E.P. 609; Draw line through	h citation	if not in co	nformance a	and not

